Assignment 2: MCQs on Advanced Express.js & MongoDB

1. What is the correct way to access a route parameter named 'id' in Express.js?

A. req.body.id

B. req.query.id

C. req.params.id

D. req.session.id

Correct Answer: C

2. Which method is used to handle errors globally in Express?

A. app.use(err, req, res, next)

B. app.error()

C. try.catch()

D. express.errorHandler()

Correct Answer: A

3. What does Mongoose help with?

A. Styling the frontend

B. Connecting Express to SQL

C. Interfacing with MongoDB

D. Creating CSS files

Correct Answer: C

4. Which is a valid NoSQL database?

A. PostgreSQL

B. Oracle

C. MongoDB

D. MySQL

Correct Answer: C

5. What is the use of MongoDB Atlas?

A. Local database hosting

B. Frontend framework

C. Cloud-based MongoDB hosting

D. Express templating

Correct Answer: C

6. Which file structure promotes scalability in Express apps?

A. Single file with all logic

B. Inline HTML and JS

C. MVC - Models, Views, Controllers

D. Random file separation

Correct Answer: C

7. What middleware handles errors in Express?

A. logger

B. customErrorMiddleware

C. errorHandler

D. All of the above

Correct Answer: D

8. Which command installs Mongoose?

A. npm install mongo

B. npm install mongoose

C. npm get mongoose

D. node install mongoose

Correct Answer: B

9. Route parameters are accessed from which object?

A. req.body

B. req.query

C. req.params

D. res.params

Correct Answer: C

10. What is a feature of NoSQL databases?

A. Fixed schema

B. Relational tables

C. Flexible schema

D. Stored procedures

Correct Answer: C

11. try-catch blocks help with:

A. Code formatting

B. Error catching in synchronous code

C. Error handling in async functions

D. Sending files

Correct Answer: C

12. MongoDB stores data in:

A. Tables

B. Collections and documents

C. Files

D. CSV

Correct Answer: B

13. Which command connects Mongoose to a database?

A. mongoose.start()

B. mongoose.link()

C. mongoose.connect()

D. mongoose.open()

Correct Answer: C

14. Which layer should the business logic go into in MVC?

A. Routes

B. Models

C. Controllers

D. Views

Correct Answer: C

15. What does `req.query` access?

A. Body parameters

B. Route parameters

C. Query string parameters

D. Session parameters

Correct Answer: C

16. How is data passed from client to server in REST?

A. Through routes only

B. Using files

C. Via request methods like GET, POST

D. Via HTML forms only

Correct Answer: C

17. Which of the following is a controller responsibility?

A. Database schema

B. Routing logic

C. Business logic

D. Serving static files

Correct Answer: C

18. To avoid deeply nested code, use:

A. Callbacks

B. Async/await

C. While loops

D. Recursion

Correct Answer: B

19. In MongoDB, a 'collection' is similar to:

A. A table in SQL

B. A function

C. A variable

D. A document

Correct Answer: A

20. Which tool is used to deploy MongoDB on the cloud?

A. MongoTools

B. Atlas

C. MongooseCloud

D. AWS

Correct Answer: B

Bubble Sheet (Student Response Sheet)

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